

**DECLARATION AND POWER OF ATTORNEY
UNDER 35 USC §371(c)(4) FOR
PCT APPLICATION FOR UNITED STATES PATENT**

As a below named inventor, I hereby declare that:
my residence, post office address and citizenship are as stated below under my name;

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, namely the invention entitled:

SILICON SINGLE CRYSTAL AND WAFER DOPED WITH GALLIUM AND

METHOD FOR PRODUCING THEM

described and claimed in international application number PCT/JP00/02850 filed April 28, 2000.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) filed by me or my legal representatives or assigns within one year prior to my international application are hereby claimed:
Japanese Patent Application No. 11-150697 filed on May 28, 1999
Japanese Patent Application No. 11-264549 filed on September 17, 1999

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to my international application, or (b) before the filing date of the above-named foreign priority application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office:

(8)
James A. Oliff, Reg. No. 27,075; William P. Berridge, Reg. No. 30,024;
Kirk M. Hudson, Reg. No. 27,562; Thomas J. Pardini, Reg. No. 30,411;
Edward P. Walker, Reg. No. 31,450; Robert A. Miller, Reg. No. 32,771;
Mario A. Costantino, Reg. No. 33,565; and Stephen J. Roe, Reg. No. 34,463.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	<i>Typewritten Full Name of Sole or First Inventor</i>	<u>Takao</u>		ABE	
2	<i>Inventor's Signature</i>	<u>Takao</u>	Given Name	Middle Initial	Family Name
3	<i>Date of Signature</i>	<u>November</u>	<u>29</u>	<u>2000</u>	Year
	Month	Day	Year		
	Residence: <u>Annaka</u>	<u>Gunma</u>	Japan	<u>JPX</u>	
	City	State or Province	Country		
	Citizenship: <u>Japanese</u>				

Post Office Address: C/o Shin-Etsu Handotai Co., Ltd. Isobe R&D Center
(Insert complete mailing 13-1, Isobe 2-chome, Annaka-shi, Gunma 379-0196
address, including country) Japan

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE

2-00 1985 MAR 8 L OTANTO 100985832

Typewritten Full Name
of Joint Inventor

Teruhiko

HIRASAWA

2 Inventor's Signature:

Teruhiko

Given Name

Middle Initial

Family Name

Hirasawa

3 Date of Signature:

December

4

Month

Day

2000

Residence:

Annaka

Gunma

Japan JPX

City

State or Province

Country

Citizenship:

Japanese

Post Office Address: c/o Advanced Functional Materials Research Center

(Insert complete mailing 13-1, Isobe 2-chome, Annaka-shi, Gunma 379-0196 address, including country) Japan

3-00

1 Typewritten Full Name
of Joint Inventor

Katsushi

TOKUNAGA

2 Inventor's Signature:

Katsushi

Given Name

Family Name

TOKUNAGA

3 Date of Signature:

December

5

2000

Month

Day

Year

Residence:

Annaka

Gunma

Japan JPX

City

State or Province

Country

Citizenship:

Japanese

Post Office Address: c/o Advanced Functional Materials Research Center

(Insert complete mailing 13-1, Isobe 2-chome, Annaka-shi, Gunma 379-0196 address, including country) Japan

4-00

1 Typewritten Full Name
of Joint Inventor

Tetsuya

IGARASHI

2 Inventor's Signature:

Tetsuya

Given Name

Family Name

IGARASHI

3 Date of Signature:

December

8

2000

Month

Day

Year

Residence:

Takefu

Fukui

Japan JPX

City

State or Province

Country

Citizenship:

Japanese

Post Office Address: c/o Shin-Etsu Handotai Co., Ltd. Takefu Plant

(Insert complete mailing 13-50, Kitago 2-chome, Takefu-shi, Fukui 915-8525 Japan)

5-00

1 Typewritten Full Name
of Joint Inventor

Masafumi

YAMAGUCHI

2 Inventor's Signature:

Masafumi

Given Name

Family Name

Yamaguchi

3 Date of Signature:

December

12

2000

Month

Day

Year

Residence:

Nagoya

Aichi

Japan JPX

City

State or Province

Country

Citizenship:

Japanese

Post Office Address: c/o Toyota Technological Institute

(Insert complete mailing 12-1, Hisakata 2-chome, Tempaku-ku, Nagoya-shi, Aichi 468-8511 Japan)

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

This form may be executed only when attached to the first page of the Declaration and Power of Attorney of the application to which it pertains.